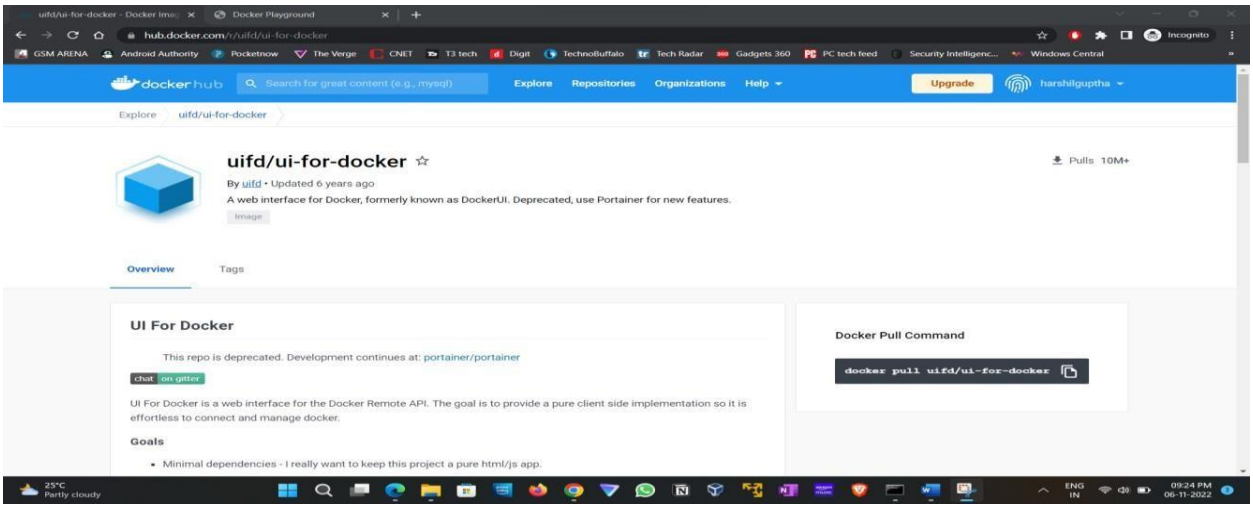
ASSIGNMENT - 4

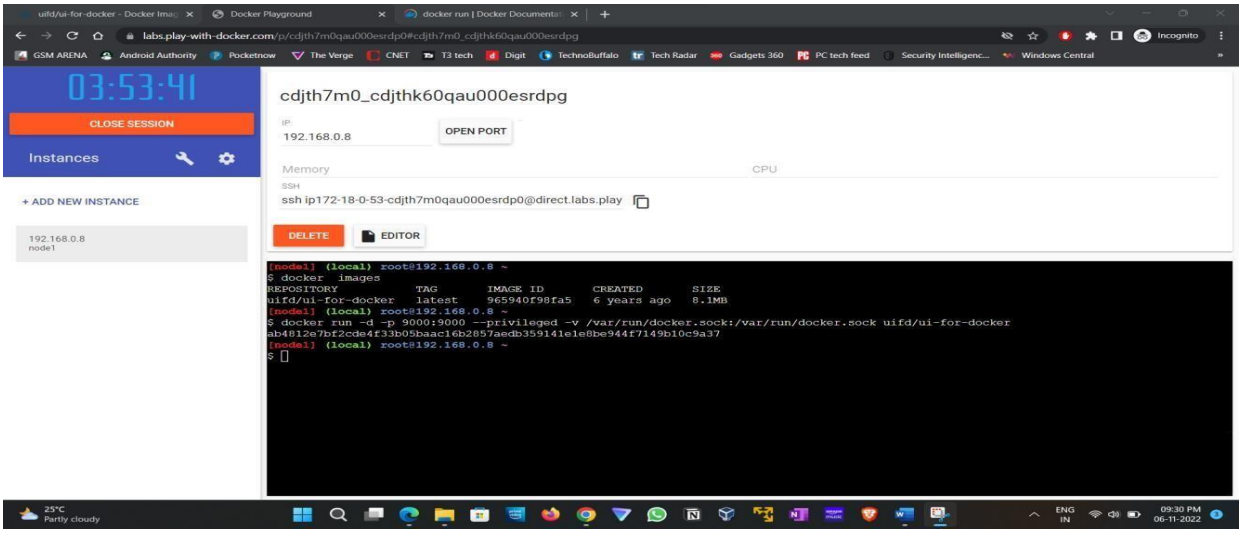
Assignment date	06 November 2022
Student name	KAVYABALA SB
Student roll no	711719104041
Team ID	PNT2022TMID31561

1.Pull an Image from docker hub and run it in docker playground.

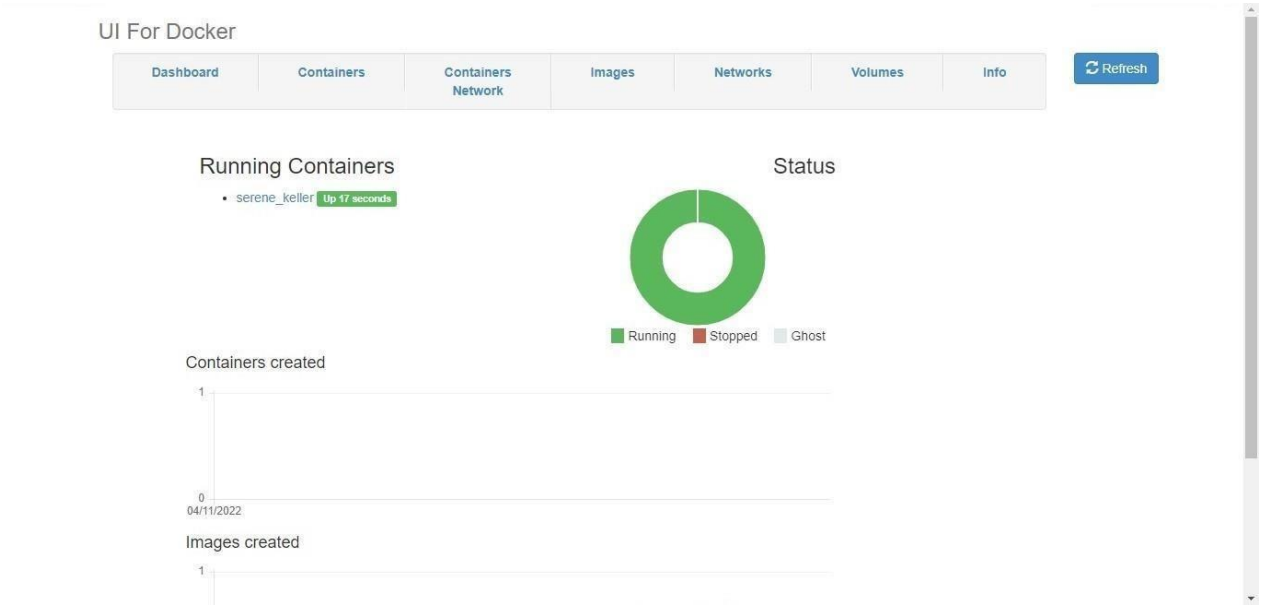
docker pull uifd/ui-for-docker
docker run -d -p 9000:9000 --privileged -v /var/run/docker.sock:/var/run/docker.sock uifd/ui-for-docker



Docker playground:

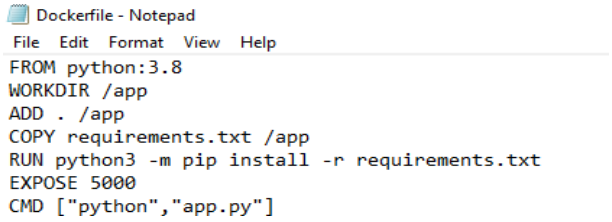


Docker UI:

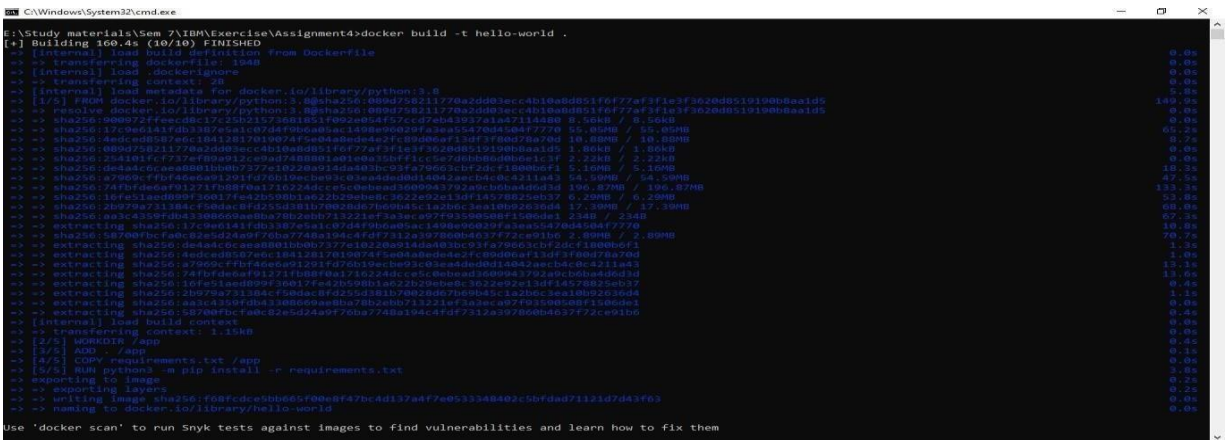


2.Create a docker file for the job portal application and deploy it in Docker desktop application.

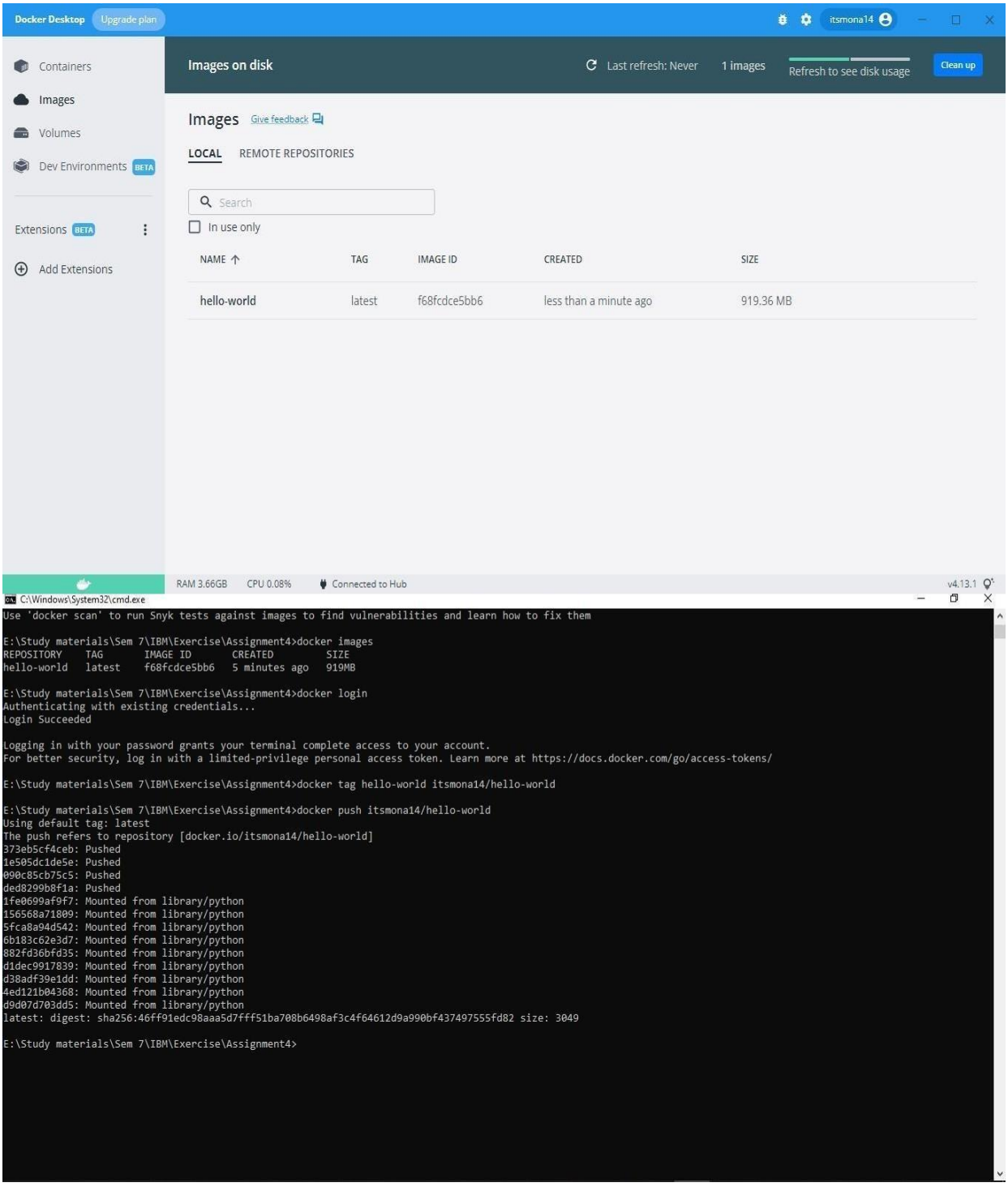
DockerFile



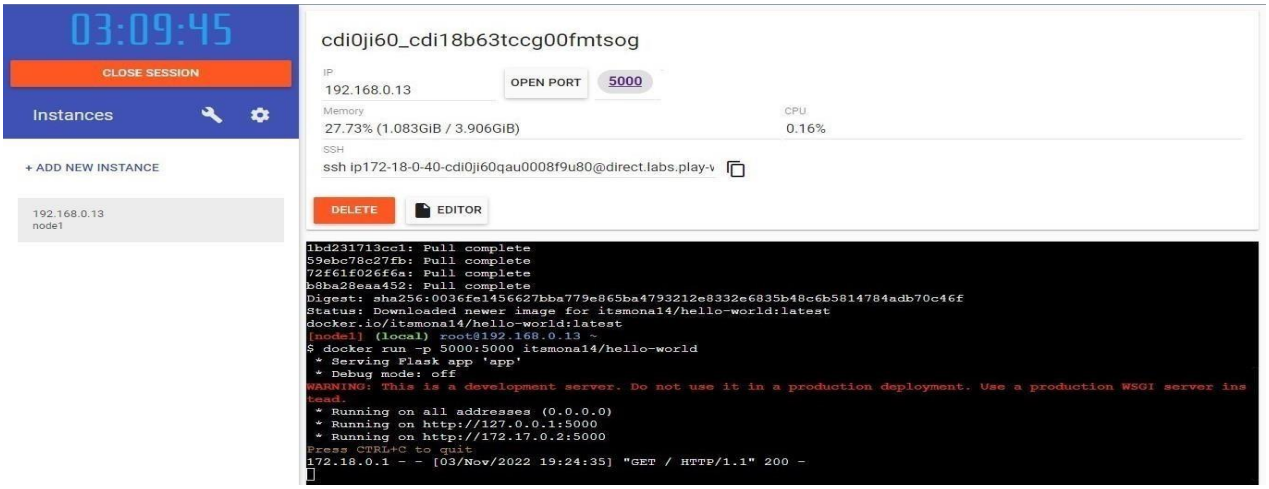
Bulid Docker image



Deploy it on Docker hub

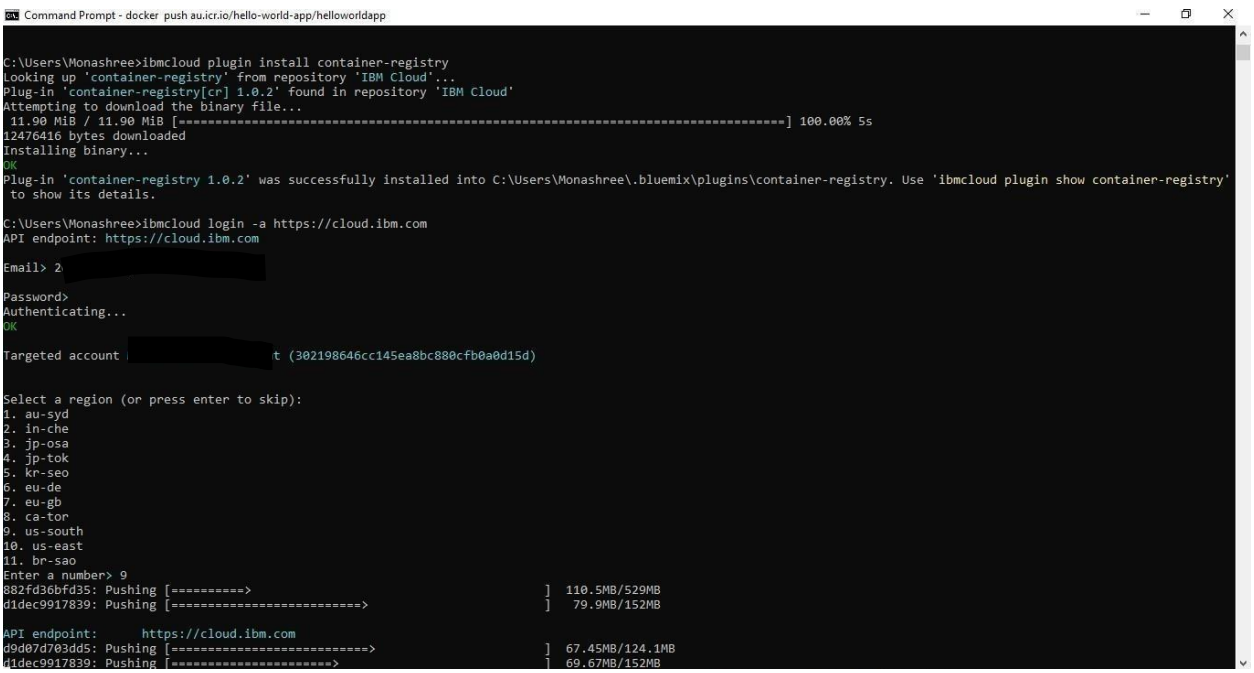


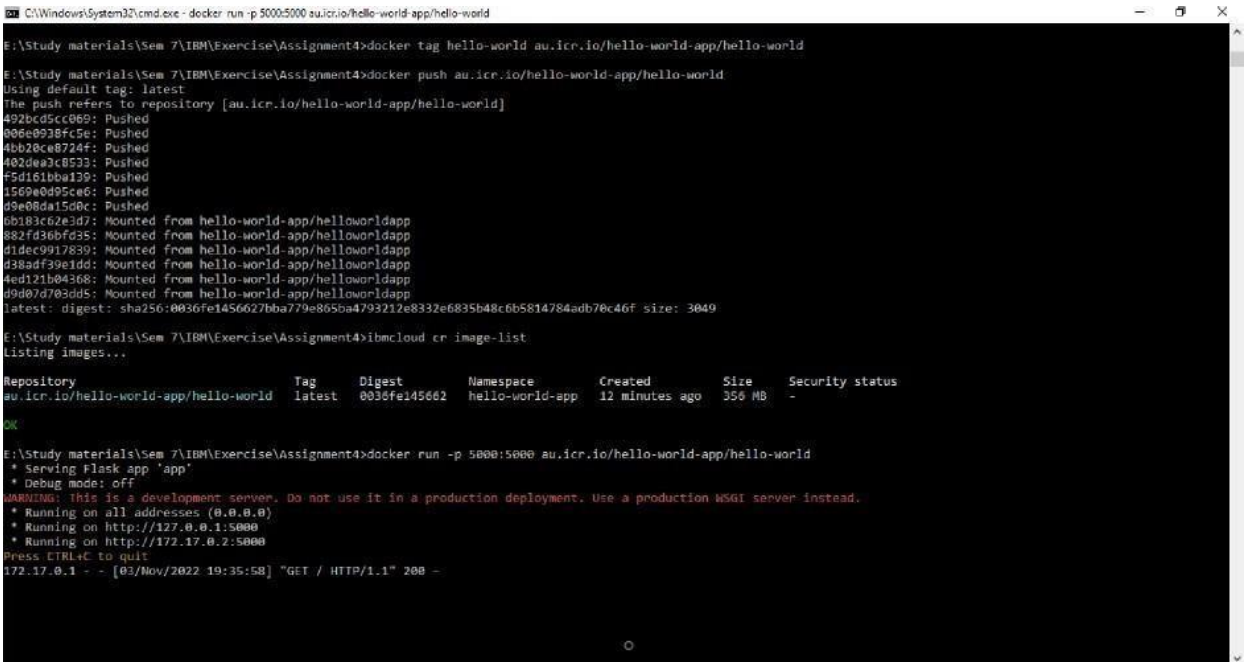
Tested it using Docker playground

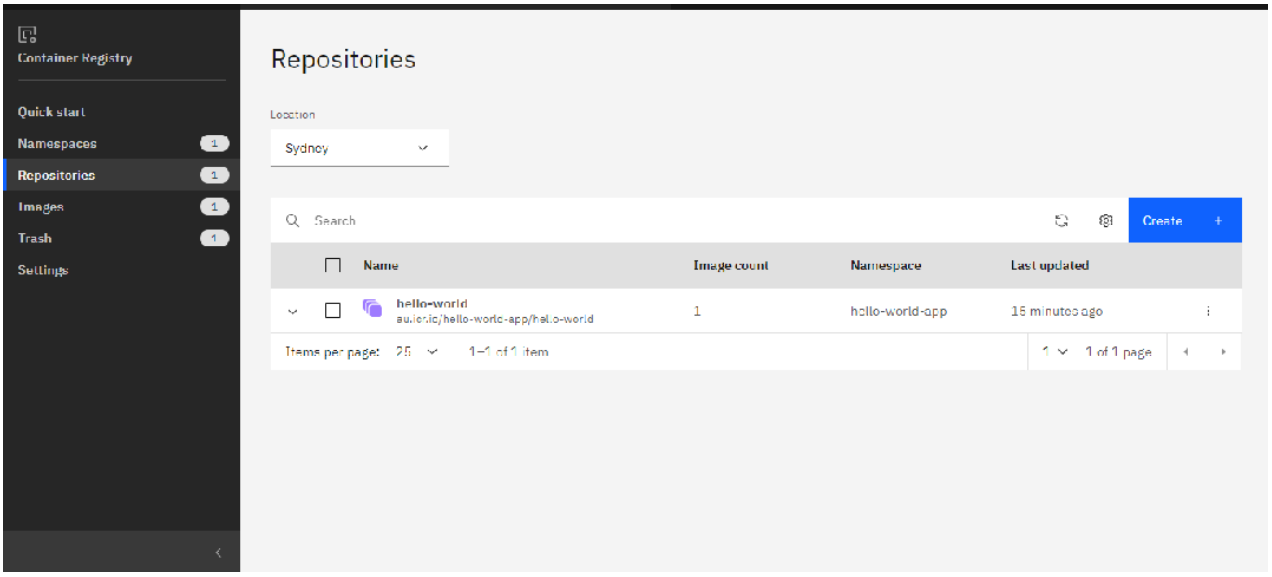


3.Create a IBM container registry and deploy hello world app or job portal app.

My image link: au.icr.io/hello-world-app/hello-world





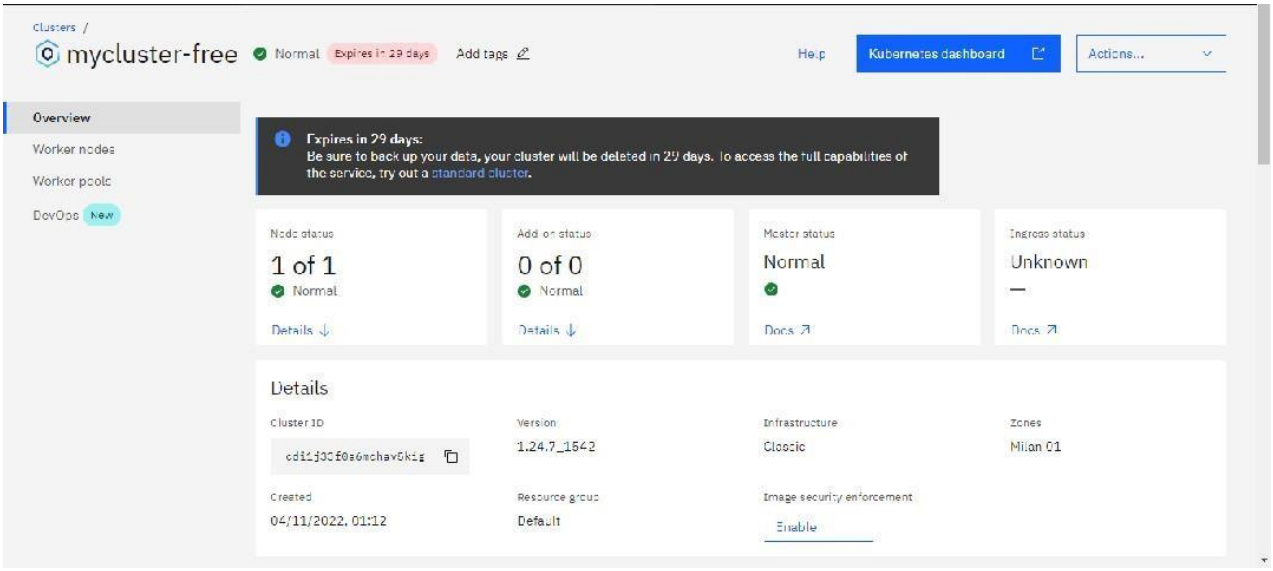


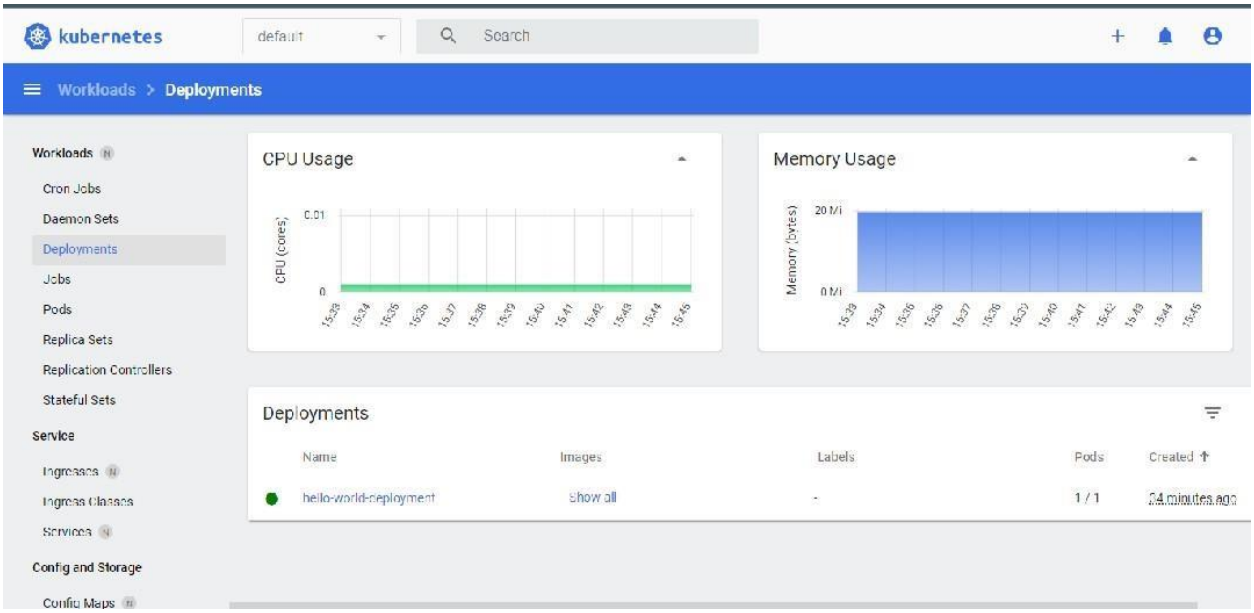
4.Create a Kubernetes cluster in IBM cloud and deploy hello world image or job portal image and also expose the same app to run in node port.

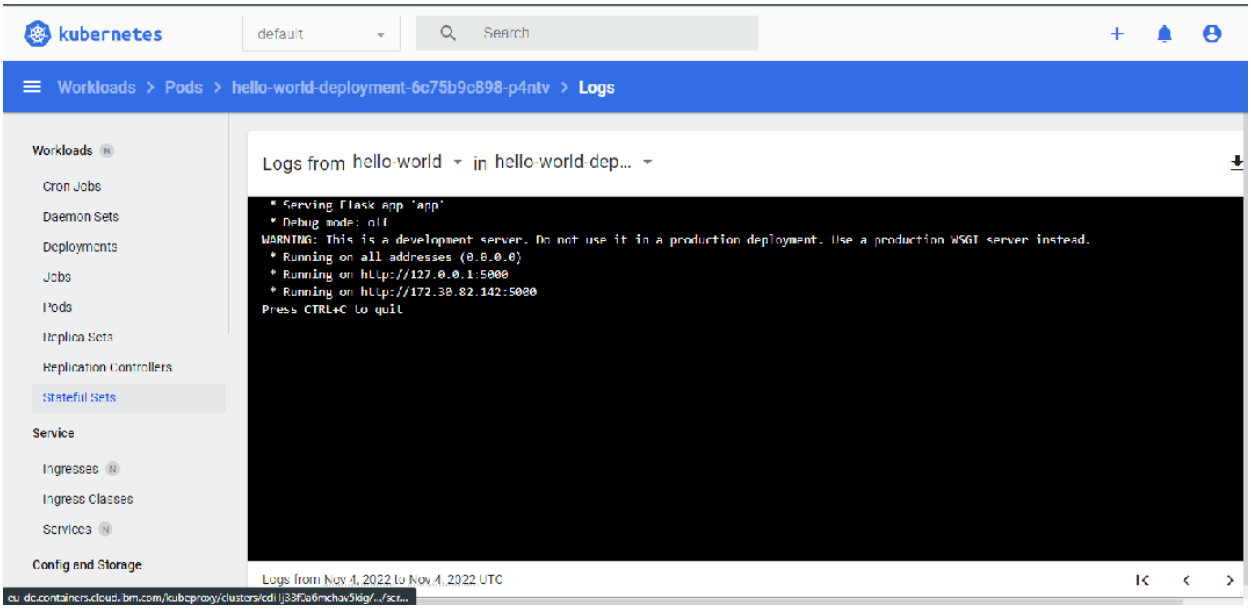
https://raw.githubusercontent.com/itsmona14/IBM-Assignment-cloud/main/deployment.yaml

```
apiVersion: v1kind: Service metadata:
   name: hello-world-deploymentspec:
ports:
- port: 5000
  targetPort: 5000selector:
```

```
  app: hello-world
  ---
  apiVersion: apps/v1kind: Deployment metadata:
     name: hello-world-deploymentspec:
  replicas: 1selector:
  matchLabels:
      app: hello-worldtemplate:
metadata:labels:
      app: hello-worldspec:
  containers:
  - name: hello-world
  image: au.icr.io/hello-world-app/hello-worldimagePullPolicy: Always
  ports:
  - containerPort: 5000
```






kubernetes
default
Search
Workloads > Pods > hello-world-deployment-6c75b9c898-p4ntv > Logs
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Ingress Classes
Services
Config and Storage
Logs from hello-world in hello-world dep...
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.30.82.142:5000
Press CTRL+C to quit
Logs from Nov 4, 2022 to Nov 4, 2022 UTC